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RAW SEQUENCE LISTING

DATE: 10/04/2004

PATENT APPLICATION: US/10/782,899

TIME: 15:53:42

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Output Set: N:\CRF4\10042004\J782899.raw

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3 <110> APPLICANT: FUJIMORI, MINORU
4     TANIGUCHI, SHUNICHIRO
5     AMANO, JUN
6     YAZAWA, KAZUYUKI
7     KANO, YASUNOBU
8     NAKAMURA, TOSHIYUKI
9     SASAKI, TAKAYUKI
11 <120> TITLE OF INVENTION: ANAEROBIC BACTERIUM AS A DRUG FOR CANCER GENE THERAPY
13 <130> FILE REFERENCE: 671308-2001.1
15 <140> CURRENT APPLICATION NUMBER: 10/782,899
16 <141> CURRENT FILING DATE: 2004-02-23
18 <150> PRIOR APPLICATION NUMBER: 09/816,391
19 <151> PRIOR FILING DATE: 2001-03-26
21 <150> PRIOR APPLICATION NUMBER: JP 2000-287688
22 <151> PRIOR FILING DATE: 2000-09-21
24 <160> NUMBER OF SEQ ID NOS: 4
26 <170> SOFTWARE: PatentIn Ver. 3.2
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 600
30 <212> TYPE: DNA
31 <213> ORGANISM: Bifidobacterium longum
33 <220> FEATURE:
34 <221> NAME/KEY: CDS
35 <222> LOCATION: (193)..(471)
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42 atgcgctagt atcattgatg acaacatgga ctaagcaaaa gtgcttgtcc cctgacccaa 180
44 gaaggatgct tt atg gca tac aac aag tct gac ctc gtt tcg aag atc gcc 231
45     Met Ala Tyr Asn Lys Ser Asp Leu Val Ser Lys Ile Ala
46         1             5             10
48 cag aag tcc aac ctg acc aag gct cag gcc gag gct gct gtt aac gcc 279
49 Gln Lys Ser Asn Leu Thr Lys Ala Gln Ala Glu Ala Ala Val Asn Ala
50     15             20             25
52 ttc cag gat gtg ttc gtc gag gct atg aag tcc ggc gaa ggc ctg aag 327
53 Phe Gln Asp Val Phe Val Glu Ala Met Lys Ser Gly Glu Gly Leu Lys
54 30             35             40             45
56 ctc acc ggc ctg ttc tcc gct gag cgc gtc aag cgc ccg gct cgc acc 375
57 Leu Thr Gly Leu Phe Ser Ala Glu Arg Val Lys Arg Pro Ala Arg Thr
58         50             55             60
60 ggc cgc aac ccg cgc act ggc gag cag att gac att ccg gct tcc tac 423
61 Gly Arg Asn Pro Arg Thr Gly Glu Gln Ile Asp Ile Pro Ala Ser Tyr
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64 ggc gtt cgt atc tcc gct ggc tcc ctg ctg aag aag gcc gtc acc gag 471
65 Gly Val Arg Ile Ser Ala Gly Ser Leu Leu Lys Lys Ala Val Thr Glu
66      80      85      90
68 tgaccttctg ctgtagcga ttacttcgag cattactgac gacaaagacc cgcaccgaga 531
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114      20      25      30
116 Val Phe Val Glu Ala Met Lys Ser Gly Glu Gly Leu Lys Leu Thr Gly
117      35      40      45
119 Leu Phe Ser Ala Glu Arg Val Lys Arg Pro Ala Arg Thr Gly Arg Asn
120      50      55      60
122 Pro Arg Thr Gly Glu Gln Ile Asp Ile Pro Ala Ser Tyr Gly Val Arg
123 65      70      75      80
125 Ile Ser Ala Gly Ser Leu Leu Lys Lys Ala Val Thr Glu
126      85      90

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VERIFICATION SUMMARY

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